

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-18 are pending in this case. Claims 1, 4, 8, and 13-17 are amended and new Claim 18 is added by the present amendment. As amended Claims 1, 4, 8, and 13-17 are supported by the original claims and new Claim 18 is supported by the original disclosure,¹ no new matter is added.

In the outstanding Official Action, Claims 1-3 and 5-17 were rejected under 35 U.S.C. §102(b) as anticipated by Mackintosh et al. (U.S. Patent No. 6,317,784, hereinafter “Mackintosh”). Claim 4 was indicated as including allowable subject matter.

Applicants gratefully acknowledge the indication that Claim 4 includes allowable subject matter.

Claims 13-17 are amended to comply with 35 U.S.C. §101.

With regard to the rejection of Claims 1-3 and 5-17 under 35 U.S.C. §102(b) as anticipated by Mackintosh, that rejection is respectfully traversed.

Amended Claims 1 and 13 recite in part:

assigning a service session ID to the broadcast receiver;
performing an authentication process on the acquisition
request based on the session ID;
transmitting the associated information to the broadcast
receiver if the authentication process is successful.

The subject matter added to Claims 1 and 13 was previously included in Claim 4, which was indicated as including allowable subject matter. In this regard, it is respectfully submitted that Mackintosh does *not* describe performing an authentication process. Mackintosh only describes a system that receives information pertaining to broadcasted

¹See, e.g., Figure 12.

materials and provides that information to user terminal 212.² It is respectfully submitted that Mackintosh does not describe any requirements on providing information to the user terminal 212, much less transmitting information to the user if an authentication process is successful. As noted above Mackintosh does not describe performing any authentication processes, much less an authentication process based on a session ID. Therefore, it is respectfully submitted that Mackintosh does not teach or suggest “performing an authentication process on the acquisition request based on the session ID” and “transmitting the associated information to the broadcast receiver if the authentication process is successful” as recited in amended Claims 1 and 13. Consequently, Claims 1 and 13 (and Claims 2-6 and 14-17 dependent therefrom) are not anticipated by Mackintosh and are patentable thereover.

Amended Claim 8 recites in part:

- an assignment unit configured to assign a service session ID to the broadcast receiver;
- an authentication unit configured to performing an authentication process on the acquisition request based on the session ID and provide an indication that the authentication process was successful or unsuccessful;
- a transmitter configured to read the associated information stored in the database synchronously with timing to accept the acquisition request by the acceptance unit as transmitted information and to transmit the associated information to the broadcast receiver if the authentication unit indicates that the authentication process was successful.

As noted above with respect to Claims 1 and 13, Mackintosh does not teach or suggest performing any authentication processes before sending information to user terminal 212. Thus, Mackintosh does not teach “an assignment unit,” “an authentication unit,” and “a transmitter” as defined in amended Claim 8. Therefore, amended Claim 8 (and Claims 9-12 dependent therefrom) is also patentable over Mackintosh.

²See Mackintosh, column 9, line 61 to column 10, line 29.

New Claim 18 recites in part:

***updating associated information concerning a content
broadcasted by a broadcasting station after a content starts to
be broadcast;***

accepting an acquisition request for the associated
information from a broadcast receiver receiving a broadcast
signal of the content;

setting the associated information stored in the database
in accordance with timing of accepting the acquisition request
as transmitted information;

transmitting the associated information to the broadcast
receiver; and

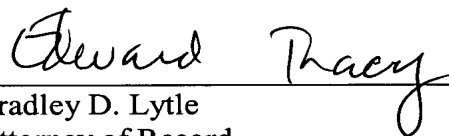
resetting the transmitted information as associated
information of a next program for transmission when the on-air
program changes to the next program.

In contrast, Mackintosh describes that information pertaining to broadcast materials can be sent in real-time as the broadcast materials are being broadcast, or may be sent in advance of the delivery of the broadcast materials.³ Accordingly, it is respectfully submitted that Mackintosh does not teach or suggest updating associated information concerning a content broadcasted by a broadcasting station *after* a content starts to be broadcast as recited in new Claim 18. Therefore, new Claim 18 patentably defines over Mackintosh.

Accordingly, the outstanding rejection is traversed and the pending claims are believed to be in condition for formal allowance. An early and favorable action to that effect is, therefore, respectfully requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Bradley D. Lytle
Attorney of Record
Registration No. 40,073

Customer Number

22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 06/04)

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Edward W. Tracy, Jr.
Registration No. 47,998

³See Mackintosh, column 5, lines 38-47.